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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Nalini M. Rajamannan Art Unit : 1645
Serial No. : 10/667,625 Examiner : Unknown
Filed : September 22, 2003
Title : BIOPROSTHETIC HEART VALVES

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

TRANSMITTAL


The following correspondence relating to this application is enclosed for filing:

1. Information Disclosure Statement (1 page);
2. Form PTO-1449 (4 pages);
3. Copies of Cited References (67 references); and
4. A Return Postcard.

Please date stamp and return the enclosed postcard. Please apply any charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date: September 1, 2004

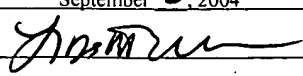

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INFORMATION DISCLOSURE STATEMENT

Applicant submits the references listed on the attached form PTO-1449. Under 35 USC §120, this application relies on the earlier filing date of application serial numbers 09/399,704 and 10/032,123, filed on September 21, 1999 and December 21, 2001, respectively.. All of the references were submitted to and/or cited by the Office in the prior application and, therefore, are not provided in this application with the exception of the following designated ID Nos.: AB, AD-AH, AS-ATT, AVV, ACCC, AEEE-AGGG, AIII, ALLL, APPP, ASSS, AVVV, AWWW, AZZZ, AAAAA, ABBBB, ADDDD, AEEEE, and AGGGG. Also, since this application was filed after July 1, 2003, only copies of non-U.S. patent citations are being provided.

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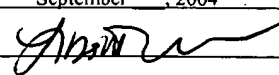

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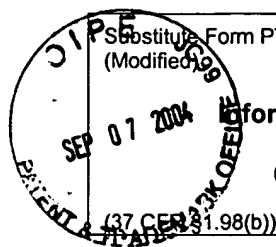
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 Substitute Form PTO-1449
 (Modified)

 U.S. Department of Commerce
 Patent and Trademark Office

 Attorney's Docket No.
 07039-163003

 Application No.
 10/667,625

**Information Disclosure Statement
 by Applicant**

(Use several sheets if necessary)

 Applicant
 Nalini M. Rajamannan

 Filing Date
 September 22, 2003

 Group Art Unit
 1645

U.S. Patent Documents

Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	4,477,930	10/23/84	Totten et al.			
	AB	4,683,195	07/28/87	Mullis et al.			
	AC	4,762,842	08/09/88	Cohen et al.			
	AD	4,873,191	10/10/89	Wagner et al.			
	AE	5,175,384	12/29/92	Krimpenfort et al.			
	AF	5,175,385	12/29/92	Wagner et al.			
	AG	5,580,859	12/03/96	Felgner et al.			
	AH	5,589,466	12/31/96	Felgner et al.			
	AI	5,650,447	07/22/97	Keefer et al.			
	AJ	5,797,870	08/25/98	March et al.			
	AK	5,855,620	01/05/99	Bishopric et al.			
	AL	5,880,102	03/09/99	George et al.			
	AM	5,928,281	07/27/99	Huynh et al.			
	AN	5,935,163	08/10/99	Gabbay			
	AO	6,060,640	05/09/00	Pauley et al.			
	AP	6,087,479	07/11/00	Stamler et al.			
	AQ	6,193,749	02/27/01	Schroeder et al.			

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AR							

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	AS	GenBank Accession No. P29476
	AT	GenBank Accession No. 742990
	AU	GenBank Accession No. AAA36364
	AV	GenBank Accession No. AAA36376

Examiner Signature

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EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 07039-163003	Application No. 10/667,625
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Nalini M. Rajamannan	
		Filing Date September 22, 2003	Group Art Unit 1645

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	AW	GenBank Accession No. AAB22708
	AX	GenBank Accession No. AAB39539
	AY	GenBank Accession No. AAB49040
	AZ	GenBank Accession No. AAB60654
	AAA	GenBank Accession No. AAB68663
	ABB	GenBank Accession No. AC52766
	ACC	GenBank Accession No. AAC52782
	ADD	GenBank Accession No. AAC61262
	AEE	GenBank Accession No. AAD29751
	AFF	GenBank Accession No. AAD29752
	AGG	GenBank Accession No. AAD39340
	AHH	GenBank Accession No. BAA05652
	AII	GenBank Accession No. CAA53950
	AJJ	GenBank Accession No. D26607
	AKK	GenBank Accession No. I45946
	ALL	GenBank Accession No. M93718
	AMM	GenBank Accession No. P29473
	ANN	GenBank Accession No. P29474
	AOO	GenBank Accession No. P29475
	APP	GenBank Accession No. P29477
	AQQ	GenBank Accession No. P35228
	ARR	GenBank Accession No. Q06518
	ASS	GenBank Accession No. Q62600
	ATT	GenBank Accession No. Q90703
	AUU	Angell et al., "Durability of the viable aortic allograft," <u>J. Thorac. Cardiovasc. Surg.</u> , 1989, 98:48-56
	AVV	Berkner et al., "Generation of adenovirus by transfection of plasmids," <u>Nucleic Acids Res.</u> , 1983, 11:6003-6020
	AWW	Braunwald, "Aortic Stenosis – Etiology and Pathology," <u>Heart Disease</u> , 1992, 4 th Edition, pp. 1035-1036

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Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	AXX	Clancy et al., "Outside-In Signaling in the Chondrocyte. Nitric Oxide Disrupts Fibronectin-induced Assembly of a Subplasmalemmal Actin/Rho A/Focal Adhesion Kinase Signaling Complex," <u>J. Clin. Invest.</u> , 1997, 100(7):1789-1796
	AYY	Cooke and Dzau, "Nitric Oxide Synthase: Role in the Genesis of Vascular Disease," <u>Annu. Rev. Med.</u> , 1997, 48:489-509
	AZZ	Dayan et al., "Are the polarization colors of Picrosirius red-stained collagen determined only by the diameter of the fibers?" <u>Histochemistry</u> , 1989, 93:27-29
	AAAA	Dzau et al., "Fusigenic viral liposome for gene therapy in cardiovascular diseases," <u>Proc. Natl. Acad. Sci. USA</u> , 1996, 93:11421-11425
	ABBB	Eck and Wilson, "Gene-based therapy," <u>Goodman & Gillman's The Pharmacological Basis of Therapeutics</u> , 1996, pp. 77-101
	ACCC	Ghosh-Choudhury and Graham, "Stable Transfer of a Mouse Dihydrofolate Reductase Gene Into A Deficient Cell Line Using Human Adenovirus Vector," <u>Biochem. Biophys. Res. Comm.</u> , 1987, 147:964-973
	ADDD	Gibbons and Dzau, "Molecular Therapies for Vascular Diseases," <u>Science</u> , 1996, 272(5262):689-693
	AEEE	Gluzman et al., "Helper-free Adenovirus Type-5 Vectors," <u>Eukaryotic Viral Vectors</u> , 1982, pp. 187-192
	AFFF	Gordon, "Transgenic Animals," <u>Int'l. Rev. Cytol.</u> , 1989, 115:171-229
	AGGG	Gossler et al., "Transgenesis by means of blastocyst-derived embryonic stem cell lines," <u>Proc. Natl. Acad. Sci. USA</u> , 1986, 83:9065-9069
	AHHH	Guillot et al., "Gene therapy in transplantation in the year 2000: moving towards clinical applications?" <u>Gene Therapy</u> , 2000, 7:14-19
	AIII	Hammer et al., "Production of transgenic rabbits, sheep and pigs by microinjection," <u>Nature</u> , 1985, 315:680-683
	AJJJ	Hernández-Perera et al., "Effects of the 3-Hydroxy-3-Methylglutaryl-CoA Reductase Inhibitors, Atorvastatin and Simvastatin, on the Expression of Endothelin-1 and Endothelial Nitric Oxide Synthase in Vascular Endothelial Cells," <u>J. Clin. Invest.</u> , 1998, 101(12):2711-2719
	AKKK	Johnson et al., "Porcine Cardiac Valvular Subendothelial Cells in Culture: Cell Isolation and Growth Characteristics," <u>J. Mol. Cell. Cardiol.</u> , 1987, 19:1185-1193
	ALLL	Krimpenfort et al., "Generation of Transgenic Dairy Cattle Using 'In Vitro' Embryo Production," <u>Bio/Technology</u> , 1991, 9:844-847
	AMMM	Kullo et al., "Expression and Function of Recombinant Endothelial NO Synthase in Coronary Artery Smooth Muscle Cells," <u>Arterioscler. Thromb. Vasc. Biol.</u> , 1997, 17:2405-2412
	ANNN	Lee et al., "Abnormal Aortic Valve Development in Mice Lacking Endothelial Nitric Oxide Synthase," <u>Circulation</u> , 2000, 101:2345-2348
	AOOO	Mann et al., "Cell Cycle Inhibition Preserves Endothelial Function in Genetically Engineered Rabbit Vein Grafts," <u>J. Clin. Invest.</u> , 1997, 99(6):1295-1301
	APPP	McGrory et al., "A Simple Technique for the Rescue of Early Region I Mutations into Infectious Human Adenovirus Type 5," <u>Virology</u> , 1988, 163:614-617
	AQQQ	Mohler III et al., "Detection of Osteopontin in Calcified Human Aortic Valves," <u>Arterio. Thromb. Vasc. Biol.</u> , 1997, 17(3):547-552

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	ARRR	Myers and Tanner, "Vascular Endothelial Cell Regulation of Extracellular Matrix Collagen: Role of Nitric Oxide," <u>Arterio. Thromb. Vascu. Biol.</u> , 1998, 18(5):717-722
	ASSS	Ngo et al., "Computational Complexity, Protein Structure Prediction, and the Levinthal Paradox," <u>The Protein Folding Problem and Tertiary Structure Prediction</u> , 1994, pp. 491-495
	ATTT	O'Brien et al., "A comparison of aortic valve replacement with viable cryopreserved and fresh allograft valves, with a note on chromosomal studies," <u>J. Thorac. Cardiovasc. Surg.</u> , 1987, 94(6):812-823
	AUUU	Onoue et al., "Expression and Function of Recombinant Endothelial Nitric Oxide Synthase Gene in Canine Basilar Artery After Experimental Subarachnoid Hemorrhage," <u>Stroke: Journal of the American Heart Association</u> , 1998, 29(9):1959-1965
	AVVV	Palmiter and Brinster, "Transgenic Mice," <u>Cell</u> , 1985, 41:343-345
	AWWW	Pursel et al., "Genetic Engineering of Livestock," <u>Science</u> , 1989, 244:1281-1288
	AXXX	Rajamannan et al., "Macrophage conditioned media stimulates valvular subendothelial cell proliferation and matrix protein production," <u>Leukocyte-Endothelial Cell Interactions</u> , Page A614, Abstract No. 3542
	AYYY	Rizvi and Myers, "Nitric Oxide Modulates Basal and Endothelin-induced Coronary Artery Vascular Smooth Muscle Cell Proliferation and Collagen Levels," <u>J. Mol. Cell. Cardiol.</u> , 1997, 29:1779-1789
	AZZZ	Rudinger, "Characteristics of the amino acids as components of a peptide hormone sequence," <u>Peptide Hormones</u> , 1976, pp. 1-7
	AAAAA	Schnieke et al., "Human Factor IX Transgenic Sheep Produced by Transfer of Nuclei from Transfected Fetal Fibroblasts," <u>Science</u> , 1997, 278:2130-2133
	ABBBB	Thompson et al., "Germ Line Transmission and Expression of a Corrected HPRT Gene Produced by Gene Targeting in Embryonic Stem Cells," <u>Cell</u> , 1989, 56:313-321
	ACCCC	Tsutsui et al., "Adventitial Expression of Recombinant eNOS Gene Restores NO Production in Arteries Without Endothelium," <u>Arterio. Thromb. Vascu. Biol.</u> , 1998, 18(8):1231-1241
	ADDDD	Van der Putten et al., "Efficient insertion of genes into the mouse germ line via retroviral vectors," <u>Proc. Natl. Acad. Sci. USA</u> , 1985, 82:6148-6152
	AEEEE	van Doren and Gluzman, "Efficient Transformation of Human Fibroblasts by Adenovirus-Simian Virus 40 Recombinants," <u>Mol. Cell. Biol.</u> , 1984, 4:1653-1656
	AFFFF	von der Leyen et al., "Gene therapy inhibiting neointimal vascular lesion: <i>In vivo</i> transfer of endothelial cell nitric oxide synthase gene," <u>Proc. Natl. Acad. Sci. USA</u> , 1995, 92(4):1137-1141
	AGGGG	Wilmut et al., "Viable offspring derived from fetal and adult mammalian cells," <u>Nature</u> , 1997, 385:810-813

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